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RAW SEQUENCE LISTING DATE: 05/01/2002
PATENT APPLICATION: US/09/975,374A TIME: 12:31:20

Input Set : A:\1479-00 Seq. List..txt
Output Set: N:\CRF3\05012002\I975374A.raw

p.6

ENTERED

```
  3 <110> APPLICANT: LAZDUNSKI, MICHEL
  4       LAMBEAU, GERARD
  5       VALENTIN, EMMANUEL
  7 <120> TITLE OF INVENTION: CLONING AND RECOMBINANT EXPRESSION OF MAMMALIAN GROUP
  8       XII SECRETED PHOSPHOLIPASE A2
 10 <130> FILE REFERENCE: 1479-R-00
 12 <140> CURRENT APPLICATION NUMBER: 09/975,374A
C--> 13 <141> CURRENT FILING DATE: 2002-04-15
 15 <150> PRIOR APPLICATION NUMBER: 60/239,489
 16 <151> PRIOR FILING DATE: 2000-10-11
 18 <160> NUMBER OF SEQ ID NOS: 18
 20 <170> SOFTWARE: PatentIn Ver. 2.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 716
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <220> FEATURE:
 28 <221> NAME/KEY: CDS
 29 <222> LOCATION: (121)..(690)
 30 <223> OTHER INFORMATION: cDNA coding the human group XII sPLA2
 32 <400> SEQUENCE: 1
 33 atatggagct ggctgctgcc aagtccgggg cccgcgccgc tgcctagcgc gtcctgggga     60
 35 ctctgtgggg acgcgccccg cgccgcggct cggggacccg tagagcccgg cgctgcgcgc    120
 37 atg gcc ctg ctc tcg cgc ccc gcg ctc acc ctc ctg ctc ctc ctc atg      168
 38 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Leu Met
 39 1               5                  10                  15
 41 gcc gct gtt gtc agg tgc cag gag cag gcc cag acc acc gac tgg aga      216
 42 Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp Trp Arg
 43             20                  25                  30
 45 gcc acc ctg aag acc atc cgg aac ggc gtt cat aag ata gac acg tac      264
 46 Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile Asp Thr Tyr
 47         35                  40                  45
 49 ctg aac gcc gcc ttg gac ctc ctg gga ggc gag gac ggt ctc tgc cag      312
 50 Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln
 51     50                  55                  60
 53 tat aaa tgc agt gac gga tct aag cct ttc cca cgt tat ggt tat aaa      360
 54 Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys
 55 65                  70                  75                  80
 57 ccc tcc cca ccg aat gga tgt ggc tct cca ctg ttt ggt gtt cat ctt      408
 58 Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu
 59                 85                  90                  95
 61 aac att ggt atc cct tcc ctg aca aag tgt tgc aac caa cac gac agg      456
 62 Asn Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg
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Input Set : A:\1479-00 Seq. List..txt
Output Set: N:\CRF3\05012002\I975374A.raw

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63              100                 105                 110
65 tgc tat gag acc tgt ggc aaa agc aag aat gac tgt gat gaa gaa ttc      504
66 Cys Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe
67          115                 120                 125
69 cag tat tgc ctc tcc aag atc tgc cga gat gta cag aaa aca cta gga      552
70 Gln Tyr Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly
71      130                 135                 140
73 cta act cag cat gtt cag gca tgt gaa aca aca gtg gag ctc ttg ttt      600
74 Leu Thr Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe
75 145                 150                 155                 160
77 gac agt gtt ata cat tta ggt tgt aaa cca tat ctg gac agc caa cga      648
78 Asp Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg
79                  165                 170                 175
81 gcc gca tgc agg tgt cat tat gaa gaa aaa act gat ctt taa              690
82 Ala Ala Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
83              180                 185
85 aggagatgcc gacagctagt gacaga                                        716
88 <210> SEQ ID NO: 2
89 <211> LENGTH: 189
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 2
94 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Leu Met
95 1               5                  10                  15
97 Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp Trp Arg
98              20                  25                  30
100 Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile Asp Thr Tyr
101         35                  40                  45
103 Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln
104     50                  55                  60
106 Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys
107 65                  70                  75                  80
109 Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu
110                 85                  90                  95
112 Asn Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg
113             100                 105                 110
115 Cys Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe
116         115                 120                 125
118 Gln Tyr Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly
119     130                 135                 140
121 Leu Thr Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe
122 145                 150                 155                 160
124 Asp Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg
125                 165                 170                 175
127 Ala Ala Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
128             180                 185
131 <210> SEQ ID NO: 3
132 <211> LENGTH: 35
133 <212> TYPE: DNA
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Input Set : A:\1479-00 Seq. List..txt
Output Set: N:\CRF3\05012002\I975374A.raw

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
<400> SEQUENCE: 3
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<211> LENGTH: 37
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
<400> SEQUENCE: 4
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<210> SEQ ID NO: 5
<211> LENGTH: 42
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
<400> SEQUENCE: 5
tttggatcca tcgaaggtcg tcaggagcag gcccagaccg ac 42
<210> SEQ ID NO: 6
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
<400> SEQUENCE: 6
gcctttccca cgttatggtt 20
<210> SEQ ID NO: 7
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
<400> SEQUENCE: 7
ggatgtggct ctccactgtt 20
<210> SEQ ID NO: 8
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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Gly Cys Gly Ser Pro
1 5
<210> SEQ ID NO: 9
<211> LENGTH: 8
<212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 05/01/2002
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Input Set : A:\1479-00 Seq. List..txt
Output Set: N:\CRF3\05012002\I975374A.raw

207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
211 sequence
213 <220> FEATURE:
214 <221> NAME/KEY: MOD_RES
215 <222> LOCATION: (3)..(4)
216 <223> OTHER INFORMATION: Any amino acid
218 <220> FEATURE:
219 <221> NAME/KEY: MOD_RES
220 <222> LOCATION: (7)
221 <223> OTHER INFORMATION: Any amino acid
223 <400> SEQUENCE: 9
W--> 224 **Cys Cys Xaa Xaa His Asp Xaa Cys**
225 1 5
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 182
230 <212> TYPE: PRT
231 <213> ORGANISM: Murine sp.
233 <400> SEQUENCE: 10
234 Ser Pro Ala Leu Leu Leu Leu Leu Leu Ala Thr Ala Arg Gly Gln
235 1 5 10 15
237 Glu Gln Asp Gln Thr Thr Asp Trp Arg Ala Thr Leu Lys Thr Ile Arg
238 20 25 30
240 Asn Gly Ile His Lys Ile Asp Thr Tyr Leu Asn Ala Ala Leu Asp Leu
241 35 40 45
243 Leu Gly Gly Glu Asp Gly Leu Cys Gln Tyr Lys Cys Ser Asp Gly Ser
244 50 55 60
246 Lys Pro Val Pro Arg Tyr Gly Tyr Lys Pro Ser Pro Pro Asn Gly Cys
247 65 70 75 80
249 Gly Ser Pro Leu Phe Gly Val His Leu Asn Ile Gly Ile Pro Ser Leu
250 85 90 95
252 Thr Lys Cys Cys Asn Gln His Asp Arg Cys Tyr Glu Thr Cys Gly Lys
253 100 105 110
255 Ser Lys Asn Asp Cys Asp Glu Glu Phe Gln Tyr Cys Leu Ser Lys Ile
256 115 120 125
258 Cys Arg Asp Val Gln Lys Thr Leu Gly Leu Ser Gln Asn Val Gln Ala
259 130 135 140
261 Cys Glu Thr Thr Val Glu Leu Leu Phe Asp Ser Val Ile His Leu Gly
262 145 150 155 160
264 Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala Cys Trp Cys Arg Tyr
265 165 170 175
267 Glu Glu Ile Thr Asp Leu
268 180
271 <210> SEQ ID NO: 11
272 <211> LENGTH: 165
273 <212> TYPE: PRT
274 <213> ORGANISM: Rattus sp.
276 <400> SEQUENCE: 11

RAW SEQUENCE LISTING DATE: 05/01/2002
PATENT APPLICATION: US/09/975,374A TIME: 12:31:20

Input Set : A:\1479-00 Seq. List..txt
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```
277 Gln Asp Gln Thr Thr Asp Trp Arg Ala Thr Leu Lys Thr Ile Arg Asn
278   1               5                  10                  15
280 Gly Ile His Lys Ile Asp Thr Tyr Leu Asn Ala Ala Leu Asp Leu Leu
281              20                  25                  30
283 Gly Gly Glu Asp Gly Leu Cys Gln Tyr Lys Cys Ser Asp Gly Ser Lys
284          35                  40                  45
286 Pro Ala Pro Arg Tyr Gly Tyr Lys Pro Ser Pro Pro Asn Gly Cys Gly
287      50                  55                  60
289 Ser Pro Leu Phe Gly Val His Leu Asn Ile Gly Ile Pro Ser Leu Thr
290  65                  70                  75                  80
292 Lys Cys Cys Asn Gln His Asp Arg Cys Tyr Glu Thr Cys Gly Lys Gly
293                  85                  90                  95
295 Lys Asn Asp Cys Asp Glu Glu Phe Gln Ser Cys Leu Ser Lys Ile Cys
296             100                 105                 110
298 Arg Asp Val Gln Lys Thr Leu Gly Leu Ser Gln Asn Val Gln Ala Cys
299         115                 120                 125
301 Glu Thr Thr Val Glu Leu Leu Phe Asp Ser Val Ile His Leu Gly Cys
302     130                 135                 140
304 Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala Cys Trp Cys Arg Tyr Glu
305 145                 150                 155                 160
307 Glu Lys Thr Asp Leu
308                 165
311 <210> SEQ ID NO: 12
312 <211> LENGTH: 136
313 <212> TYPE: PRT
314 <213> ORGANISM: Bovine sp.
316 <400> SEQUENCE: 12
317 Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp Gly Leu Cys Gln Tyr
318   1               5                  10                  15
320 Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys Pro
321              20                  25                  30
323 Ser Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val His Leu Asn
324          35                  40                  45
326 Ile Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg Cys
327      50                  55                  60
329 Tyr Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Ala Phe Gln
330  65                  70                  75                  80
332 Ser Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly Leu
333                  85                  90                  95
335 Ala Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe Asp
336             100                 105                 110
338 Ser Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala
339         115                 120                 125
341 Ala Cys Arg Cys Arg Tyr Glu Glu
342     130                 135
345 <210> SEQ ID NO: 13
346 <211> LENGTH: 194
347 <212> TYPE: PRT
348 <213> ORGANISM: Xenopus sp.
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/01/2002
PATENT APPLICATION: US/09/975,374A TIME: 12:31:21

Input Set : A:\1479-00 Seq. List..txt
Output Set: N:\CRF3\05012002\I975374A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; Xaa Pos. 3,4,7
Seq#:16; Xaa Pos. 15,21